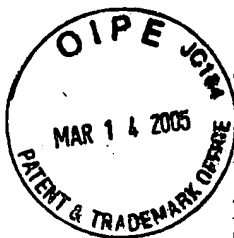


2184
JRW



CERTIFICATE OF MAILING

hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on March 10, 2005

Tanya Parker

(Typed or Printed Name of Person Mailing Paper or Fee)

Tanya Parker
(Signature of Person Mailing Paper or Fee)

PATENT

Attorney Docket No. OR00-12101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

Tirthankar Lahiri et al.)

Group Art Unit: 2184

Application No.: 09/834,342)

Examiner: Latimer, Sharon

Filed: April 13, 2001)

Title: SYSTEM AND METHOD FOR PREDICT-
ING CACHE PERFORMANCE)

COMMUNICATION

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

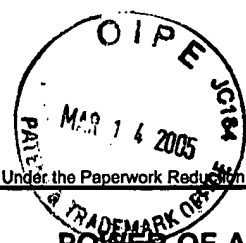
Sir:

Enclosed herewith for filing in the above-captioned patent application is an executed Power of Attorney and Correspondence Address Indication Form (with revocation of prior powers) and a Statement under 37 CFR 3.73(b) Form PTO/SB/96 with copies of assignment documents.

Respectfully submitted,

By: A. Richard Park
A. Richard Park
Reg. No. 41,241

Park, Vaughan & Fleming LLP
2820 Fifth Street
Davis, CA 95616
(530) 759-1661
Date: March 10, 2005



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	09/834,342
Filing Date	April 13, 2001
First Named Inventor	Tirthankar Lahiri
Title	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
Art Unit	2184
Examiner Name	Sharon Latimer
Attorney Docket Number	OR00-12101

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number: 51067

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR


<input type="checkbox"/> Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

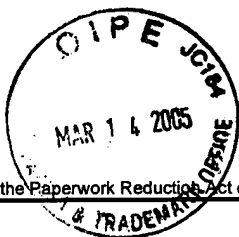
Signature		Date	9 March 2005
Name	Roger Kennedy	Telephone	650-506-1913
Title and Company	Oracle International Corporation		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/96 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Oracle International Corporation

Application No./Patent No.: 09/834,342 Filed/Issue Date: April 13, 2001

Entitled: SSYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE

Oracle International Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Tirthankar Lahiri et al. To: Oracle Corporation
The document was recorded in the United States Patent and Trademark Office at
Reel 011695, Frame 0852, or for which a copy thereof is attached.
2. From: Oracle Corporation To: Oracle International Corporation
The document was recorded in the United States Patent and Trademark Office at
Reel 013737, Frame 0276, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 10, 2005

Date

(530) 759-1660

Telephone number

A. Richard Park (Reg. No. 41,241)

Typed or printed name

Signature

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

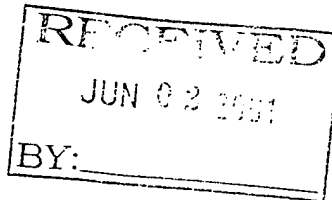
JUNE 28, 2001

PARK, VAUGHN & FLEMING LLP
DANIEL VAUGHAN
702 MARSHALL STREET
SUITE 310
REDWOOD CITY, CA 94063

PTAS



101679498A



**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/13/2001

REEL/FRAME: 011695/0852
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LAHIRI, TIRTHANKAR

DOC DATE: 04/10/2001

ASSIGNOR:

LOAIZA, JUAN

DOC DATE: 04/10/2001

ASSIGNOR:

NITHRAKASHYAP, ARVIND

DOC DATE: 04/10/2001

ASSIGNOR:

BRIDGE, WILLIAM H.

DOC DATE: 04/10/2001

ASSIGNEE:

ORACLE CORPORATION
500 ORACLE PARKWAY
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 09834342
PATENT NUMBER:

FILING DATE: 04/13/2001
ISSUE DATE:

011695/0852 PAGE 2

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-24-2001



101679498

FORM PTO-1595

1-31-92

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark

U.S. PTO
09/834342
04/13/01

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:

Tirthankar Lahiri, Juan Loaiza, Arvind Nithrakashyap and
William H. Bridge

2. Name and address of receiving party:

Name: Oracle Corporation
Street Address: 500 Oracle Parkway
City: State: Zip: Redwood Shores, CA 94065

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Additional name(s) & address(es) attached?

☐ Yes ☒ No

Execution Date: April 10, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 10, 2001

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel Vaughan
Park, Vaughan & Fleming LLP
702 Marshall Street, Suite 310
Redwood City, CA 94063

Attorney Docket No.: OR00-12101

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)\$40.00
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel E. Vaughan

Name of Person Signing

Daniel Vaughan
Signature

April 13, 2001

Date

Total number of pages including cover sheet, attachments and document: [3]

04/17/2001 HLE333 00000015 09834342

04 FC:581

40.00 DP

**JOINT TO CORPORATE
ASSIGNMENT**

WHEREAS, the undersigned,

- | | |
|--|---|
| (1) LAHIRI, Tirthankar
2067 Litchfield Place
Santa Clara, CA 95051 | (2) LOAIZA, Juan R.
13 Woodleaf Avenue
Redwood City, CA 94061 |
| (3) NITHRAKASHYAP, Arvind
800 Polhemus Road, # 1
San Mateo, CA 94402 | (4) BRIDGE, William H.
2969 Seaview Parkway
Alameda, CA 94502 |

hereinafter termed "Inventors", have invented certain new and useful improvements in

SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

- | | |
|--|--|
| (1) the 10 th day of <u>April</u> , 2001; | (2) the 10 th day of <u>April</u> , 2001; |
| (3) the 10 th day of <u>April</u> , 2001; | (4) the 10 th day of <u>April</u> , 2001. |

Said application: ☒ being filed herewith; OR
☐ having Application No. _____, filed on _____, 2001.

WHEREAS, Oracle Corporation a corporation of the State of Delaware, having a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:


1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

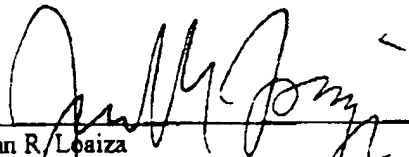
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

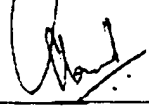
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.


Tirthankar Lahiri

4/10/2001
Date


Juan R. Loaiza

4/10/01
Date


Arvind Nithrakashyap

4/10/2001
Date


William H. Bridge

4/10/2001
Date



JUNE 17, 2003

A. RICHARD PARK
PARK, VAUGHAN & FLEMING LLP
508 SECOND ST., SUITE 201
DAVIS, CA 95616

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

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RECORDATION DATE: 02/19/2003

REEL/FRAME: 013737/0276
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ORACLE CORPORATION

DOC DATE: 02/06/2003

ASSIGNEE:

ORACLE INTERNATIONAL CORPORATION
500 ORACLE PARKWAY
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 09138029
PATENT NUMBER: 6584453

FILING DATE: 08/21/1998
ISSUE DATE: 06/24/2003

SERIAL NUMBER: 09322889
PATENT NUMBER:

FILING DATE: 05/29/1999
ISSUE DATE:

SERIAL NUMBER: 09518279
PATENT NUMBER:

FILING DATE: 03/03/2000
ISSUE DATE:

SERIAL NUMBER: 09524424
PATENT NUMBER:

FILING DATE: 03/11/2000
ISSUE DATE:

013737/0276 PAGE 2

SERIAL NUMBER: 09516661 PATENT NUMBER:	FILING DATE: 03/01/2000 ISSUE DATE:
SERIAL NUMBER: 09556608 PATENT NUMBER:	FILING DATE: 04/21/2000 ISSUE DATE:
SERIAL NUMBER: 09539266 PATENT NUMBER:	FILING DATE: 03/30/2000 ISSUE DATE:
SERIAL NUMBER: 09544709 PATENT NUMBER:	FILING DATE: 04/06/2000 ISSUE DATE:
SERIAL NUMBER: 09550725 PATENT NUMBER:	FILING DATE: 04/17/2000 ISSUE DATE:
SERIAL NUMBER: 09643318 PATENT NUMBER:	FILING DATE: 08/21/2000 ISSUE DATE:
SERIAL NUMBER: 09649850 PATENT NUMBER:	FILING DATE: 08/29/2000 ISSUE DATE:
SERIAL NUMBER: 09650498 PATENT NUMBER:	FILING DATE: 08/29/2000 ISSUE DATE:
SERIAL NUMBER: 09607823 PATENT NUMBER:	FILING DATE: 06/30/2000 ISSUE DATE:
SERIAL NUMBER: 09658349 PATENT NUMBER: 6581055	FILING DATE: 09/11/2000 ISSUE DATE: 06/17/2003
SERIAL NUMBER: 09559171 PATENT NUMBER:	FILING DATE: 04/26/2000 ISSUE DATE:
SERIAL NUMBER: 09559206 PATENT NUMBER:	FILING DATE: 04/26/2000 ISSUE DATE:
SERIAL NUMBER: 09577220 PATENT NUMBER:	FILING DATE: 05/23/2000 ISSUE DATE:
SERIAL NUMBER: 09680600 PATENT NUMBER:	FILING DATE: 10/06/2000 ISSUE DATE:
SERIAL NUMBER: 09569514 PATENT NUMBER: 6523032	FILING DATE: 05/12/2000 ISSUE DATE: 02/18/2003
SERIAL NUMBER: 09658131 PATENT NUMBER:	FILING DATE: 09/13/2000 ISSUE DATE:
SERIAL NUMBER: 09680599 PATENT NUMBER:	FILING DATE: 10/06/2000 ISSUE DATE:
SERIAL NUMBER: 09728891 PATENT NUMBER:	FILING DATE: 12/02/2000 ISSUE DATE:

013737/0276 PAGE 3

SERIAL NUMBER: 09829532	FILING DATE: 04/09/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09728802	FILING DATE: 12/02/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09769927	FILING DATE: 01/24/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09834342	FILING DATE: 04/13/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09677441	FILING DATE: 09/29/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09741680	FILING DATE: 12/15/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09748026	FILING DATE: 12/21/2000
PATENT NUMBER: 6516317	ISSUE DATE: 02/04/2003
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10144535	FILING DATE: 05/10/2002
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SERIAL NUMBER: 09932524	FILING DATE: 08/17/2001
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SERIAL NUMBER: 09873150	FILING DATE: 06/01/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09872551	FILING DATE: 05/31/2001
PATENT NUMBER:	ISSUE DATE:

013737/0276 PAGE 4

SERIAL NUMBER: 09921961 PATENT NUMBER:	FILING DATE: 08/02/2001 ISSUE DATE:
SERIAL NUMBER: 09944832 PATENT NUMBER:	FILING DATE: 08/31/2001 ISSUE DATE:
SERIAL NUMBER: 09872552 PATENT NUMBER:	FILING DATE: 05/31/2001 ISSUE DATE:
SERIAL NUMBER: 10144563 PATENT NUMBER:	FILING DATE: 05/10/2002 ISSUE DATE:
SERIAL NUMBER: 09863146 PATENT NUMBER:	FILING DATE: 05/22/2001 ISSUE DATE:
SERIAL NUMBER: 09957736 PATENT NUMBER:	FILING DATE: 09/20/2001 ISSUE DATE:
SERIAL NUMBER: 10044008 PATENT NUMBER:	FILING DATE: 01/11/2002 ISSUE DATE:
SERIAL NUMBER: 10027100 PATENT NUMBER:	FILING DATE: 12/19/2001 ISSUE DATE:
SERIAL NUMBER: 10040188 PATENT NUMBER:	FILING DATE: 12/19/2001 ISSUE DATE:
SERIAL NUMBER: 10102320 PATENT NUMBER:	FILING DATE: 03/19/2002 ISSUE DATE:
SERIAL NUMBER: 10121354 PATENT NUMBER:	FILING DATE: 04/12/2002 ISSUE DATE:
SERIAL NUMBER: 10071415 PATENT NUMBER:	FILING DATE: 02/08/2002 ISSUE DATE:
SERIAL NUMBER: 10072089 PATENT NUMBER:	FILING DATE: 02/08/2002 ISSUE DATE:
SERIAL NUMBER: 10043800 PATENT NUMBER:	FILING DATE: 01/10/2002 ISSUE DATE:
SERIAL NUMBER: 10106729 PATENT NUMBER:	FILING DATE: 03/26/2002 ISSUE DATE:
SERIAL NUMBER: 10228247 PATENT NUMBER:	FILING DATE: 08/26/2002 ISSUE DATE:
SERIAL NUMBER: 10227766 PATENT NUMBER:	FILING DATE: 08/26/2002 ISSUE DATE:
SERIAL NUMBER: 10060476 PATENT NUMBER:	FILING DATE: 01/30/2002 ISSUE DATE:

013737/0276 PAGE 5

SERIAL NUMBER: 10197760
PATENT NUMBER:

FILING DATE: 07/17/2002
ISSUE DATE:

SERIAL NUMBER: 10054574
PATENT NUMBER:

FILING DATE: 01/22/2002
ISSUE DATE:

SERIAL NUMBER: 10074955
PATENT NUMBER:

FILING DATE: 02/12/2002
ISSUE DATE:

SERIAL NUMBER: 10160524
PATENT NUMBER:

FILING DATE: 06/03/2002
ISSUE DATE:

SERIAL NUMBER: 10197738
PATENT NUMBER:

FILING DATE: 07/17/2002
ISSUE DATE:

SERIAL NUMBER: 10158969
PATENT NUMBER:

FILING DATE: 05/31/2002
ISSUE DATE:

SERIAL NUMBER: 10241732
PATENT NUMBER:

FILING DATE: 09/10/2002
ISSUE DATE:

SERIAL NUMBER: 10282170
PATENT NUMBER:

FILING DATE: 10/28/2002
ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02-20-2003



102368048

FORM PTO-1595

1-31-02

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94065

02.19.03

2. Name and address of receiving party(ies):

Name: Oracle International Corporation
Street Address: 500 Oracle Parkway
City: State: Zip: Redwood Shores, CA 94065

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached?

☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment
☐ Security Agreement
☐ Other

☐ Merger
☐ Change of Name

Execution Date: February 6, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): Attached See Schedule A

Patent No.(s):

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: A. Richard Park (Reg. No. 41,241)
Park, Vaughan & Fleming LLP
508 Second Street, Suite 201
Davis, CA 95616

6. Total number of applications and patents involved: [66]

7. Total fee (37 CFR 3.41)\$2,640.00
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

A. Richard Park

Name of Person Signing

Signature

February 13, 2003

Date

Total number of pages including cover sheet, attachments and document: [15]

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Schedule A
Patent Applications

No	Docket No.	Appl. No.	Filing Date	Title
1	OID-1997-056-02	09/138,029	8/21/1998	REVERSIBLE MOVE/MERGE OPERATION FOR A GENERAL LEDGER
2	OID-1999-019-01	09/322,889	5/29/1999	METHOD AND APPARATUS FOR PROVIDING INFORMATION TO SUPPORT FLOW MANUFACTURING
3	OID-1999-039-01	09/518,279	3/3/2000	TIER-INDEPENDENT DATA ACCESS FRAMEWORK
4	OID-1999-086-01	09/524,424	3/11/2000	SYSTEM AND METHOD FOR REDUCING NETWORK TRAFFIC BETWEEN TWO COMPUTING DEVICES
5	OID-1999-133-01	09/516,661	3/1/2000	METHOD AND APPARATUS FOR PROCESSING SELF-SERVICE MOVE REQUESTS
6	OID-1999-134-01	09/556,608	4/21/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
7	OID-1999-174-01	09/539,266	3/30/2000	METHOD AND APPARATUS FOR SHARING A SECURE CONNECTION BETWEEN A CLIENT AND MULTIPLE SERVERS
8	OID-1999-175-01	09/544,709	4/6/2000	FACILITATING SINGLE SIGN-ON BY USING AUTHENTICATED CODE TO ACCESS A PASSWORD STORE
9	OID-1999-176-01	09/550,725	4/17/2000	METHOD AND APPARATUS FOR FACILITATING SINGLE SIGN ON THROUGH REDIRECTION TO A LOGIN SERVER
10	OID-1999-184-01	09/643,318	8/21/2000	METHOD AND APPARATUS FOR CONFIGURING EXTENSIBLE APPLICATION PROGRAMMING INTERFACES
11	OID-1999-186-01	09/649,850	8/29/2000	PERFORMANCE-BASED CACHING
12	OID-1999-187-01	09/650,498	8/29/2000	MULTI-TIERED CACHING SYSTEM
13	OID-1999-190-01	09/607,823	6/30/2000	SIDE-BAND KEY EXCHANGE FOR SECURING AN APPLICATION
14	OID-2000-007-01	09/658,349	9/11/2000	QUERY OPTIMIZATION WITH SWITCH PREDICATES
15	OID-2000-008-01	09/559,171	4/26/2000	SELECTIVELY AUDITING ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE AT A DATABASE SERVER
16	OID-2000-011-01	09/559,206	4/26/2000	REFORMING QUERIES TO SELECTIVELY AUDIT ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE
17	OID-2000-017-01	09/577,220	5/23/2000	METHOD AND APPARATUS FOR SHARING A SECURITY CONTEXT BETWEEN DIFFERENT SESSIONS ON A DATABASE SERVER
18	OID-2000-032-01	09/680,600	10/6/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
19	OID-2000-037-01	09/569,514	5/12/2000	SERVICING DATABASE REQUESTS USING READ-ONLY DATABASE SERVERS COUPLED TO A MASTER DATABASE SERVER
20	OID-2000-038-01	09/658,131	9/13/2000	METHOD AND APPARATUS FOR ENCRYPTION PROGRAMMING INTERFACE
21	OID-2000-038-02	09/680,599	10/6/2000	METHOD AND APPARATUS FOR AUTOMATIC DATABASE ENCRYPTION
22	OID-2000-043-01	09/728,891	12/2/2000	SYSTEM AND METHOD FOR SERVING PRE-GENERATED PRESENTATION VIEWS OF REQUESTED DATA
23	OID-2000-079-01	09/829,532	4/9/2001	METHOD AND APPARATUS FOR SHARING CACHED DATA
24	OID-2000-084-01	09/728,802	12/2/2000	SYSTEM AND METHOD FOR DYNAMICALLY PRESENTING A LIST OF ITEMS

No	Docket No.	Appl. No.	Filing Date	Title
25	OID-2000-112-01	09/769,927	1/24/2001	SYSTEM AND METHOD FOR PRODUCING A VIRTUAL ONLINE BOOK
26	OID-2000-121-01	09/834,342	4/13/2001	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
27	OID-2000-137-01	09/677,441	9/29/2000	METHOD AND APPARATUS FOR CONTROLLING WORKFLOW THROUGH ELECTRONIC MAIL
28	OID-2000-140-01	09/741,680	12/15/2000	METHOD AND APPARATUS FOR MANAGEMENT OF ENCRYPTED DATA THROUGH ROLE SEPARATION
29	OID-2000-141-01	09/748,026	12/21/2000	METHOD AND APPARATUS FOR FACILITATING COMPARTMENTALIZED DATABASE USER MANAGEMENT
30	OID-2000-142-01	09/741,691	12/15/2000	METHOD AND APPARATUS FOR DELEGATING DIGITAL SIGNATURES TO A SIGNATURE SERVER
31	OID-2000-146-01	09/711,096	11/9/2000	METHOD AND APPARATUS FOR FACILITATING BILLING TRANSACTIONS THROUGH ELECTRONIC MAIL
32	OID-2000-180-01	10/144,535	5/10/2002	SYSTEM AND METHOD FOR TESTING THE COMPATIBILITY OF A COMPUTER APPLICATION WITH A FOREIGN CHARACTER SET
33	OID-2001-004-01	09/922,617	8/4/2001	AUTOMATIC INVALIDATION OF CACHED DATA
34	OID-2001-005-01	09/923,102	8/4/2001	SYSTEM AND METHOD FOR SERVING ONE SET OF CACHED DATA FOR DIFFERING DATA REQUESTS
35	OID-2001-006-01	09/923,103	8/4/2001	SYSTEM AND METHOD FOR CUSTOMIZING CACHED DATA
36	OID-2001-007-01	09/923,072	8/4/2001	SYSTEM AND METHOD FOR SESSION-AWARE CACHING
37	OID-2001-008-01	09/923,073	8/4/2001	MULTI-VERSION DATA CACHING
38	OID-2001-009-01	09/932,524	8/17/2001	PARTIAL PAGE CACHING
39	OID-2001-023-01	09/873,150	6/1/2001	METHOD AND APPARATUS FOR IDENTIFYING A DATA SEQUENCE RELATED TO A GIVEN DATA SEQUENCE
40	OID-2001-011-01	09/872,551	5/31/2001	METHOD AND APPARATUS FOR SERVER-SIDE RULE PROCESSING OF ELECTRONIC MAIL IN A DATABASE ENVIRONMENT
41	OID-2001-027-01	09/921,961	8/2/2001	METHOD AND APPARATUS FOR SECURE ELECTRONIC COMMERCE
42	OID-2001-033-01	09/944,832	8/31/2001	SELF-ADAPTIVE HYBRID CACHE
43	OID-2001-042-01	09/872,552	5/31/2001	EFFICIENT COLLATION ELEMENT STRUCTURE FOR HANDLING LARGE NUMBERS OF CHARACTERS
44	OID-2001-044-01	10/144,563	5/10/2002	SYSTEM AND METHOD FOR AUTO-EVOLVABLE REMOTE PROCEDURE CALL STRUCTURES
45	OID-2001-049-01	09/863,146	5/22/2001	METHOD AND APPARATUS FOR PROVIDING A SERVICE THAT DYNAMICALLY GENERATES VOICE GRAMMARS
46	OID-2001-068-01	09/957,736	9/20/2001	METHOD AND APPARATUS FOR AUTOMATIC NOTIFICATION OF DATABASE EVENTS
47	OID-2001-074-01	10/044,008	1/11/2002	METHOD AND APPARATUS FOR SECURE MESSAGE QUEUING
48	OID-2001-075-01	10/027,100	12/19/2001	METHOD AND APPARATUS TO FACILITATE ACCESS AND PROPAGATION OF MESSAGES IN COMMUNICATION QUEUES USING A PUBLIC NETWORK
49	OID-2001-077-01	10/040,188	12/19/2001	SYSTEM AND METHOD FOR ENHANCING PROGRAM DATA
50	OID-2001-109-01	10/102,320	3/19/2002	METHOD AND APPARATUS TO FACILITATE INTERACTION MANAGEMENT BETWEEN LOOSELY COUPLED APPLICATIONS

No	Docket No.	Appl. No.	Filing Date	Title
51	OID-2001-110-01	10/121,354	4/12/2002	SYSTEM AND METHOD FOR EVALUATING THE INTEGRITY OF A SET OF FILES
52	OID-2001-130-01	10/071,415	2/8/2002	SYSTEM AND METHOD FOR FACILITATING A DISTRIBUTED SEARCH OF LOCAL AND REMOTE SYSTEMS
53	OID-2001-158-01	10/072,089	2/8/2002	METHOD AND APPARATUS TO FACILITATE A GLOBAL TIMEOUT IN A DISTRIBUTED COMPUTING ENVIRONMENT
54	OID-2001-159-01	10/043,800	1/10/2002	METHOD AND APPARATUS TO FACILITATE INDIVIDUAL AND GLOBAL LOCKOUTS TO NETWORK APPLICATIONS
55	OID-2001-172-01	10/106,729	3/26/2002	METHOD AND APPARATUS FOR PROVIDING A TAX SERVICE THAT IS CONFIGURABLE FOR LOCAL JURISDICTIONS
56	OID-2001-185-01	10/228,247	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME CO-BROWSING
57	OID-2001-187-01	10/227,766	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME ANNOTATION OF A CO-BROWSED DOCUMENT
58	OID-2001-212-01	10/060,476	1/30/2002	METHOD AND APPARATUS TO FACILITATE TRANSACTIONAL CONSISTENCY FOR REFERENCES IN OBJECT-RELATIONAL DATABASES
59	OID-2001-225-01	10/197,760	7/17/2002	SYSTEM AND METHOD FOR CACHING DATA FOR A MOBILE APPLICATION
60	OID-2001-237-01	10/054,574	1/22/2002	METHOD AND APPARATUS FOR FACILITATING LOW-COST AND SCALABLE DIGITAL IDENTIFICATION AUTHENTICATION
61	OID-2001-238-01	10/074,955	2/12/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES FOR EXTERNAL APPLICATIONS
62	OID-2001-247-01	10/160,524	6/3/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES IN A HOSTING ENVIRONMENT
63	OID-2001-256-01	10/197,738	7/17/2002	INTELLIGENT CLIENT AGENT FOR A HYBRID ONLINE/OFFLINE APPLICATION
64	OID-2002-001-01	10/158,969	5/31/2002	SYSTEM AND METHOD FOR CONVERTING AN ELECTRONICALLY STORED DOCUMENT
65	OID-2002-009-01	10/241,732	9/10/2002	SYSTEM AND METHOD FOR APPLYING A PARTIAL PAGE CHANGE
66	OID-2002-115-01	10/282,170	10/28/2002	METHOD AND APPARATUS FOR UPDATING A SECONDARY FORM ELEMENT FROM A PRIMARY FORM ELEMENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT ASSIGNMENT

WHEREAS, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, **Oracle Corporation**, a corporation of Delaware, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "**Assignor**," has sold, assigned, transferred and set over, unto **Oracle International Corporation (OIC)**, a corporation of California, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "**Assignee**," its successors, legal representatives and assigns, **Assignor's** entire right, title and interest in, to, and under the issued patents and provisional and non-provisional pending applications listed on the attached Schedule A, as well as any divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by said pending applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by said pending applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said pending applications in the United States which are created by any law, treaty or international convention; and **Assignor** hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents on any such applications as aforesaid, to issue all Letters Patent for said inventions to **Oracle International Corporation**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND **Assignor** does hereby covenant that it had full right to convey the entire interest herein assigned, and that **Assignor** has not executed, and will not execute, any agreement in conflict herewith.

AND **Assignor** does further hereby covenant and agree that it will communicate to said **Assignee**, its successors, legal representatives and assigns, any facts known to it respecting said pending applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything reasonably necessary to aid said **Assignee**, its successors, legal representatives and assigns, to obtain and enforce any attendant rights in all countries.

IN WITNESS WHEREOF, Oracle Corporation has caused this instrument to be signed by a duly authorized corporate officer and its corporate seal to be affixed, as of this 6th day of February, 2003.

Oracle Corporation

By:

A handwritten signature in black ink, appearing to read "Daniel Cooperman", written over a horizontal line.

Name: Daniel Cooperman

Title: Senior Vice President and General Counsel



CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8 - FIRST CLASS MAIL

I hereby certify that this correspondence is being deposited postage prepaid, with the United States Postal Service as "First Class Mail" in an envelope addressed to the U.S. Patent and Trademark Office, Assignment Division, Box Assignments, CG-4, 1213 Jefferson Davis Hwy, Suite 320, Washington, DC 20231 on February 13, 2003.

By: Wendy Dial (Signature)
Wendy Dial (Type Name)

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REQUEST FOR RECORDATION OF ASSIGNMENT DOCUMENTS

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Sir:

Transmitted herewith are the following papers:

- ☒ [x] Recordation Cover Sheet FORM PTO-1595;
- ☒ [x] Attachment listing patent application nos. to be recorded;
- ☒ [x] Check for recordation fee \$2,640.00; and
- ☒ [x] Assignment of Patent Rights.

Issuance of a Notice of Recordation of Assignment Document is respectfully requested.

Respectfully submitted,

Dated: February 13, 2003

By: A. Richard Park

A. Richard Park
Registration No. 41,241

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